OIPE IAP21 MAR 03 2006 PATENT & TRADEMARK OFFICE

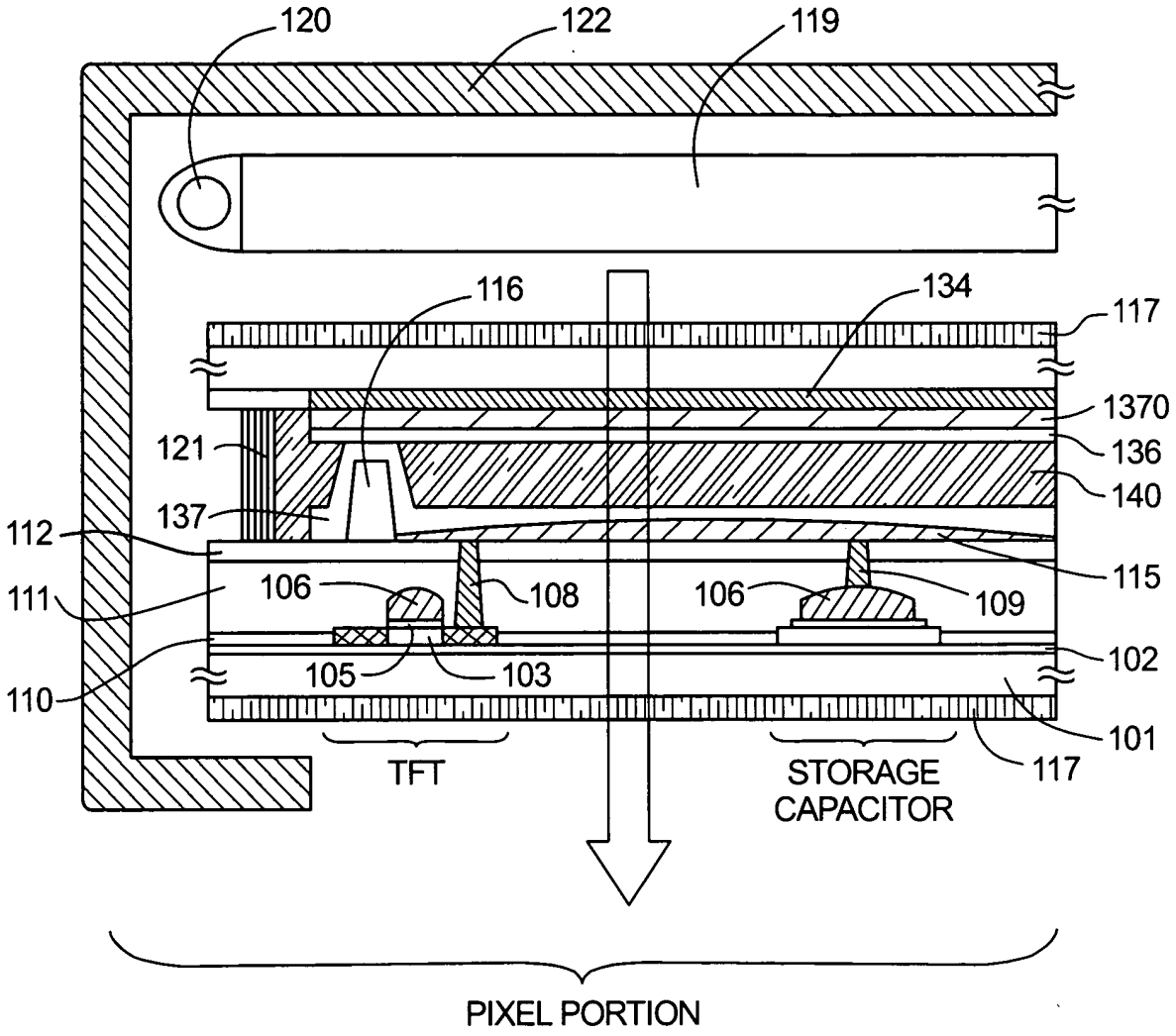

FIG. 1

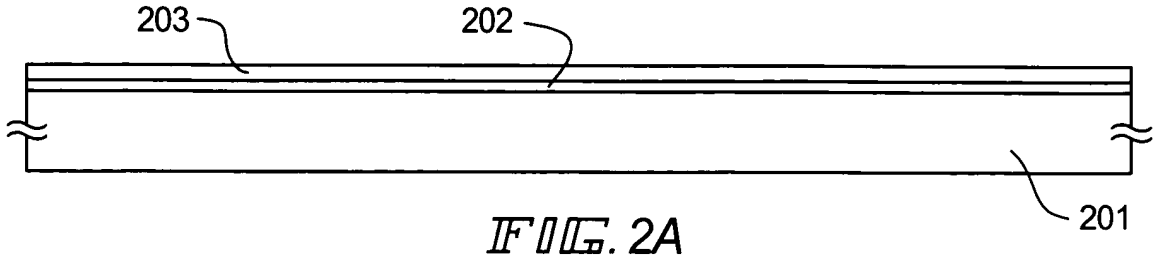

FIG. 2A

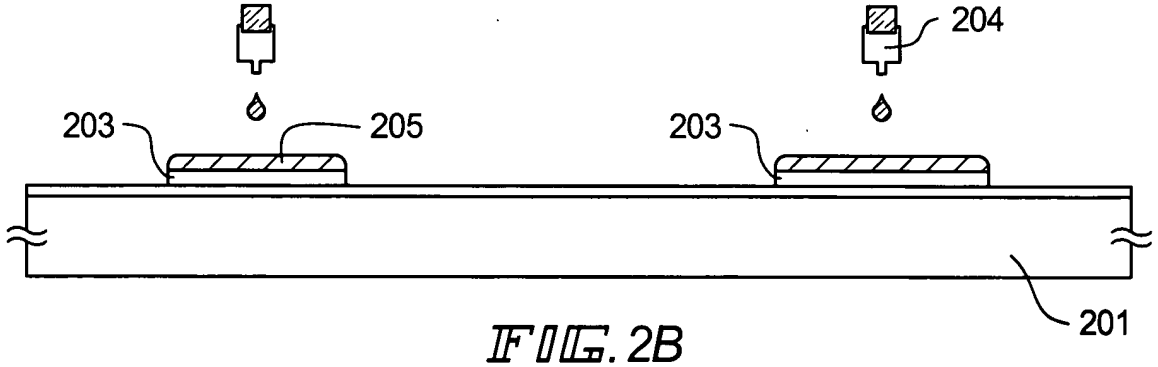

FIG. 2B

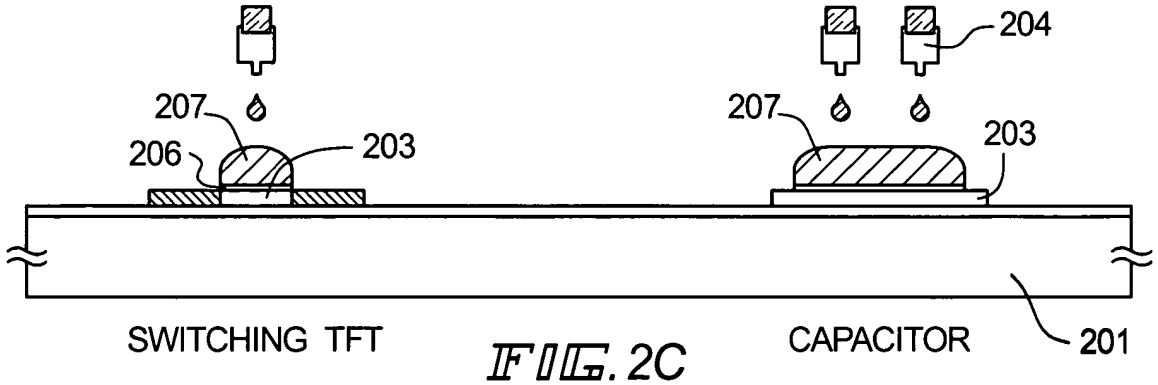

FIG. 2C

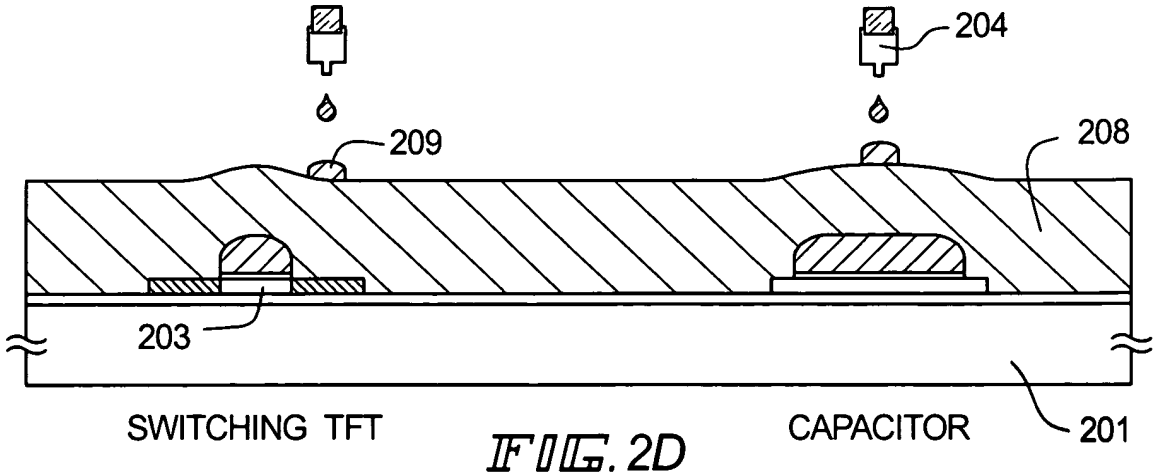

FIG. 2D

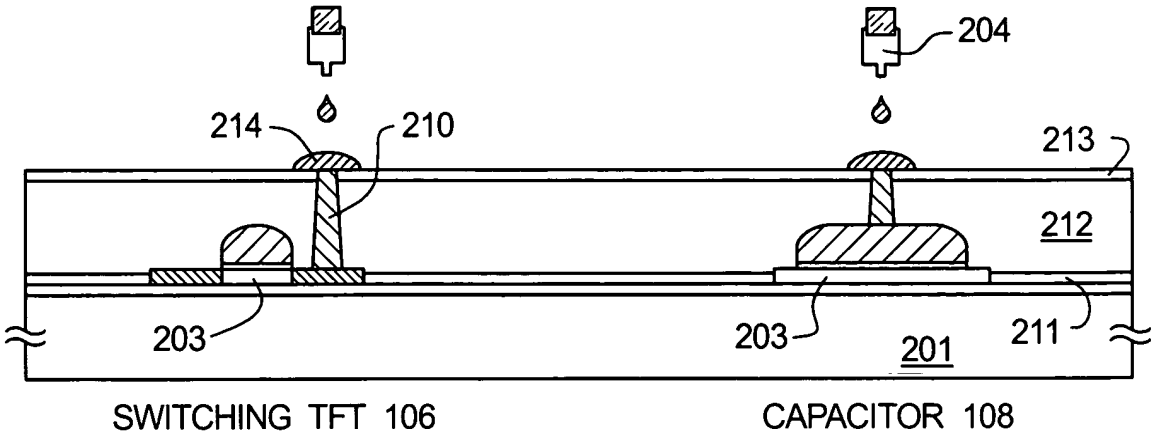

FIG. 3A

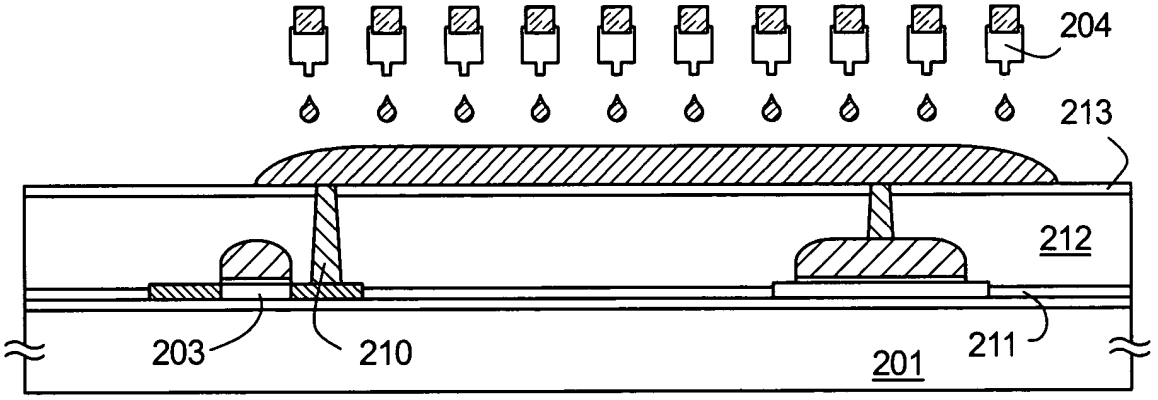

FIG. 3B

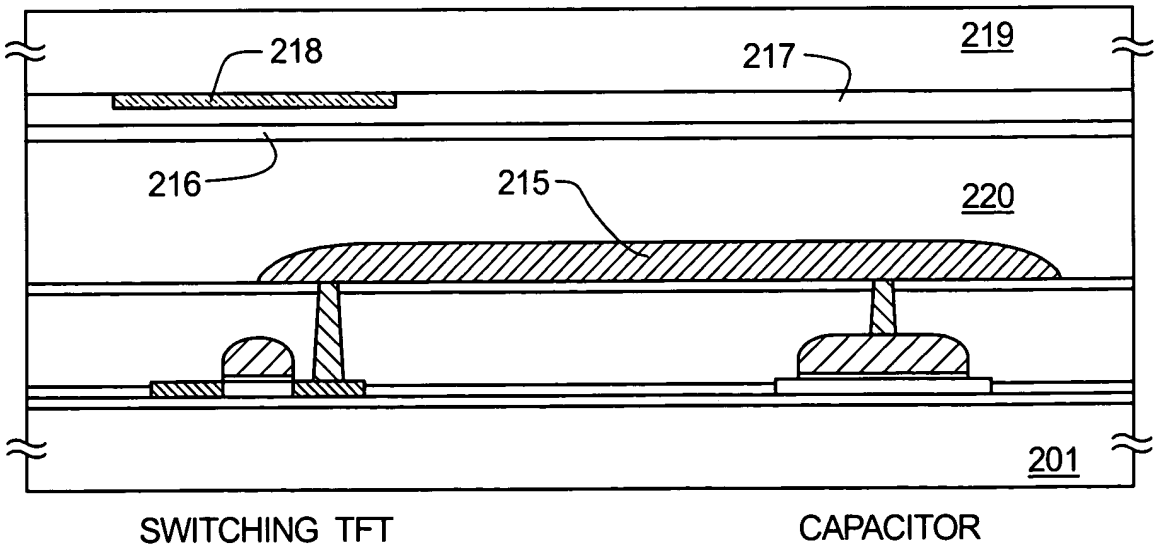

FIG. 3C

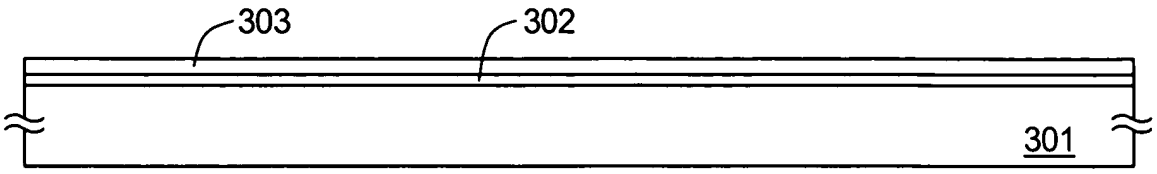

FIG. 4A

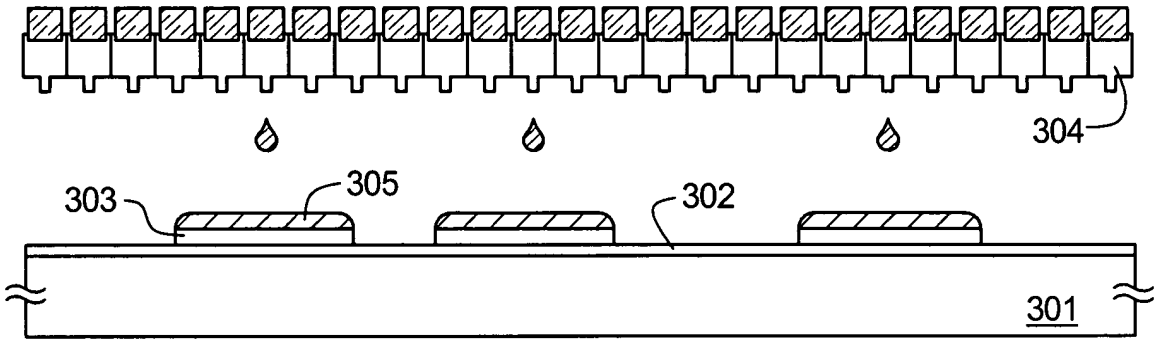

FIG. 4B

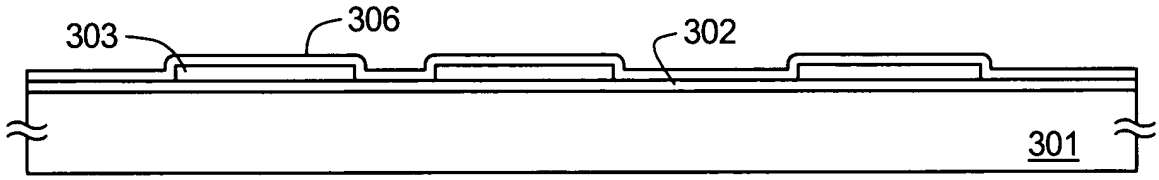

FIG. 4C

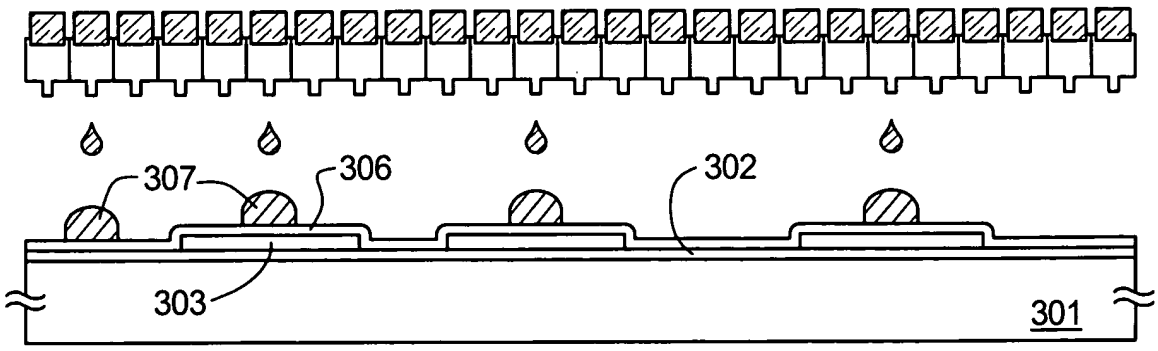

FIG. 4D

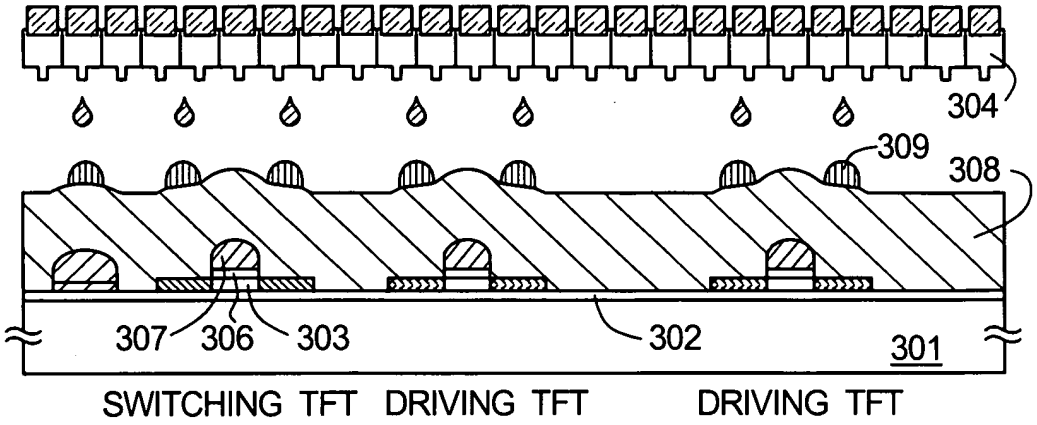

FIG. 5A

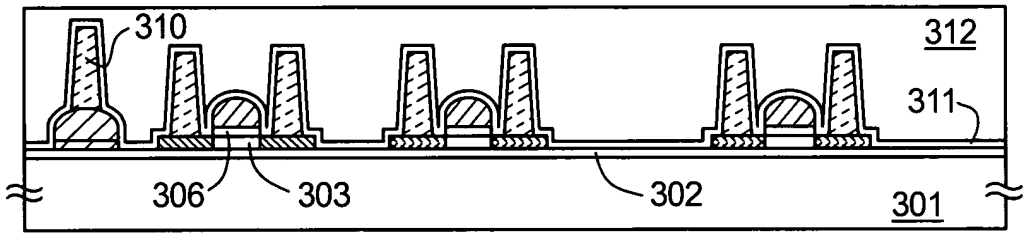

FIG. 5B

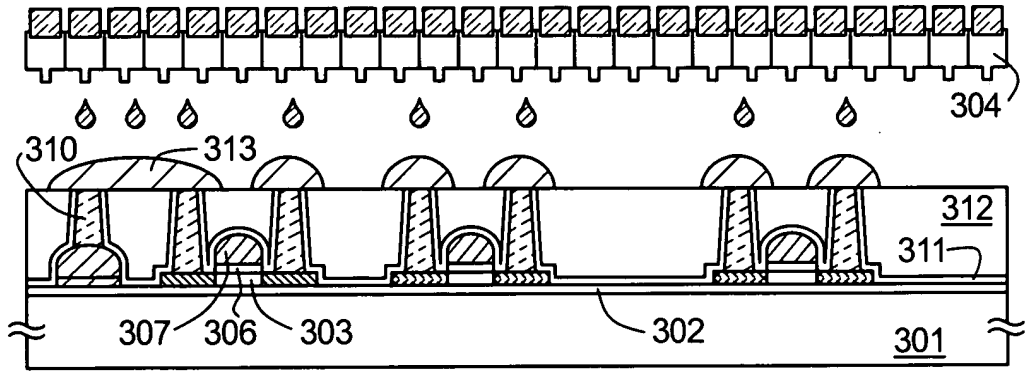

FIG. 5C

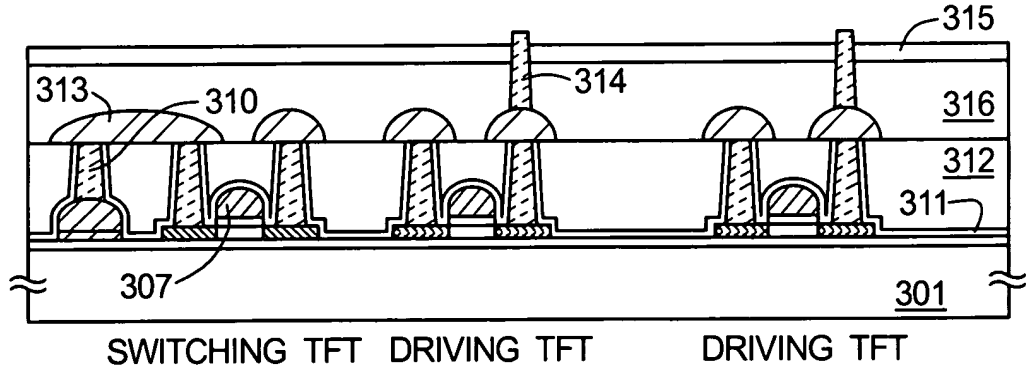

FIG. 5D

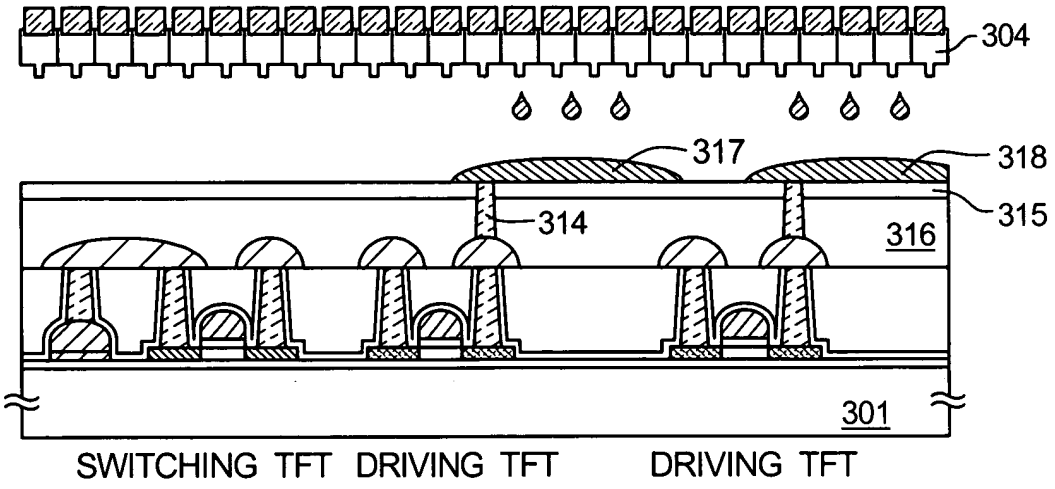

FIG. 6A

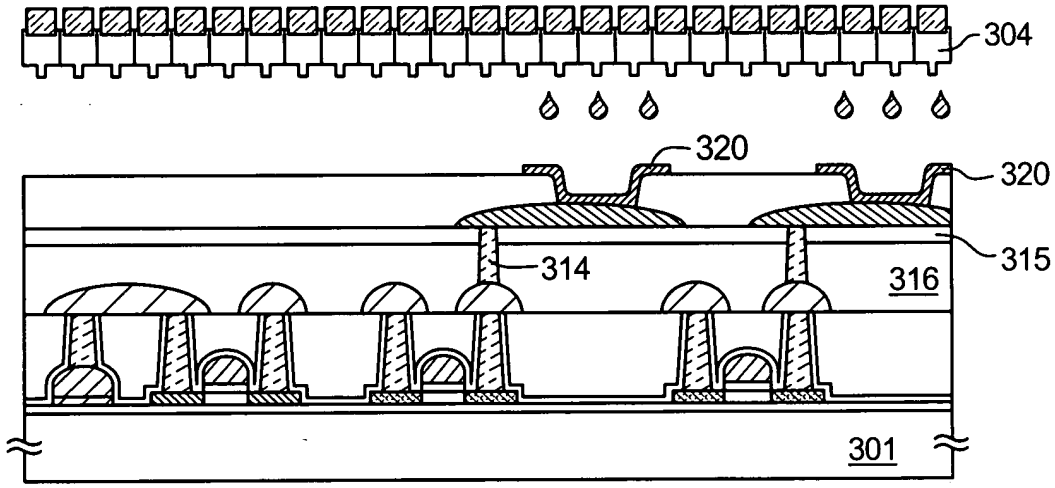

FIG. 6B

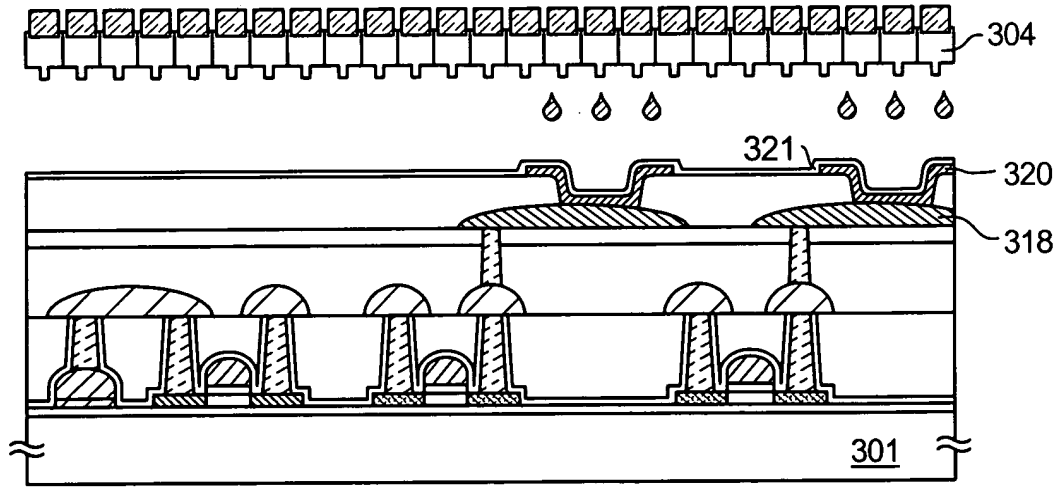

FIG. 6C

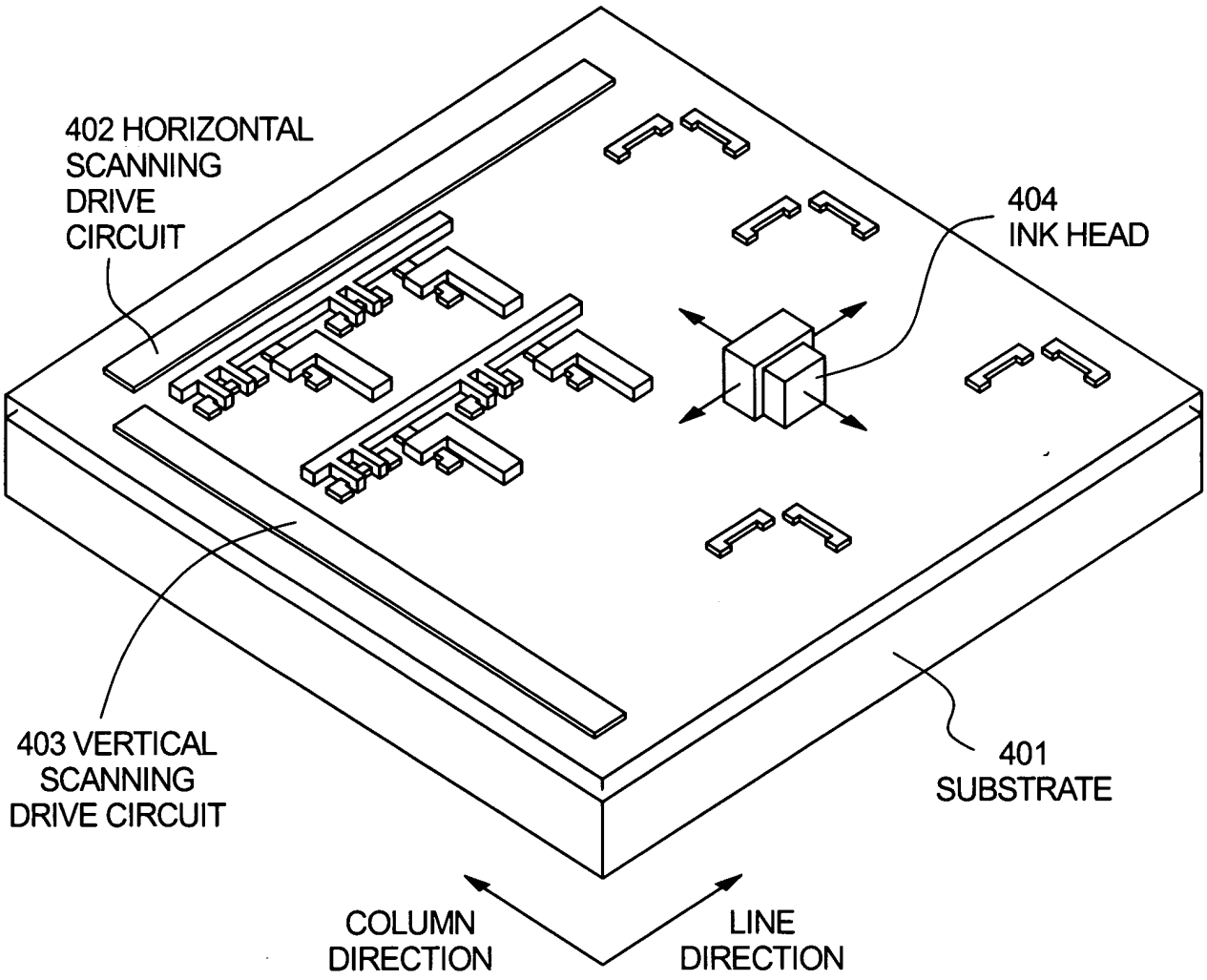
402 HORIZONTAL SCANNING DRIVE CIRCUIT
404 INK HEAD
403 VERTICAL SCANNING DRIVE CIRCUIT
401 SUBSTRATE
COLUMN DIRECTION
LINE DIRECTION

FIG. 7